

GARY WORKS



*United
States
Steel
Corporation*

GARY, INDIANA 46402

US EPA RECORDS CENTER REGION 5



522914

December 13, 1976

Oral H. Hert, Technical Secretary
Stream Pollution Control Board
State of Indiana
1330 West Michigan Street
Indianapolis, Indiana - 46206

RECEIVED

DEC 17 1976

STATE OF INDIANA
STREAM POLLUTION CONTROL
BOARD

Attention: Mr. Jim Hunt
Water Pollution Control Div.

Dear Mr. Hert:

Re: Industrial Waste Disposal

This is in response to your letter of October 18, 1976.
Attached is a list of wastes generated at the Gary plants of U. S. Steel.
The first two items are liquid wastes, and the remaining items are
sludges or "semi-liquid" material.

Very truly yours,

Manager, Technical Services

cc: Lake County Health Department

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SANITARY ENGINEERING
DIVISION
STATE BOARD OF HEALTH

INDUSTRIAL WASTES
U. S. STEEL - GARY PLANTS

<u>Waste</u>	<u>Generating Operation</u>	<u>Approx. Quantity</u>	<u>Disposal Location</u>
Waste Oil	Various Operations Throughout Plant	270,000 Gal./Mo.	Off-site processing by Contractor for re-sale at approved facility.
Waste Pickle Liquor	Acid Pickling of Steel	25,500,000 Gal./Yr.	Most WPL converted into ferric chloride by Contractor. Balance injected into deep well or neutralized for disposal on site.
Terminal Treatment Plant Sludge	Treatment of Finishing Operations Waste Water	5,700 Tons/Year Dry Basis	Off-site by Contractor at approved landfill.
Filtration Plant Sludge	Treatment of Hot Strip Mills Waste Water	6,000 Tons/Year Dry Basis	On-site storage for future use.
Blast Furnace Flue Dust	Treatment of Blast Furnace Process Water	200,000 Tons/Year Dry Basis	Stored and re-cycled into steel making process.
Terminal Lagoon Sludge	Treatment of Primary Mills, Bar & Structural Mills & BOP Process Water	35,000 Tons/Year Dry Basis	On-site storage for future use.
Final Oil Separator Sludge	Final Treatment of Finishing Operations - Waste Water	400 Tons/Year Dry Basis	On-site storage for future use.
No. 1 BOP Gas Cleaner Sludge	Gas Cleaning - No. 1 BOP Shop	70,000 Tons/Year Dry Basis	On-site storage for future use.
No. 2 Q-BOP Gas Cleaner Sludge	Gas Cleaning - No. 2 Q-BOP	30,000 Tons/Year Dry Basis	On-site storage for future use.
Lime Softening Sludges	Coke Plant Boiler House	780,000 Gal./Year	On-site

Industrial Wastes
U. S. Steel - Gary Plants

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<u>Waste</u>	<u>Generating Operation</u>	<u>Approx. Quantity</u>	<u>Disposal Location</u>
Neutralized Waste Acid	Neutralization of Spent Acid	2,000 Tons/Yr. Dry Basis	On-Site
Caustic Sludge	U.S.S. Tubing Specialities	100,000 Gal./Yr.	On-Site
Waste Water, Oil, Tar and Napthalene	U.S.S. Tubing Specialities	250,000 Gal./Yr.	On-Site
Pitch Sand (Carbon, Silica and Tar)	Coke Plant By-Products Operations	365,000 Gal./Yr.	On-Site

November 23, 1976
Gary Works